CE

DECLARATION OF PERFORMANCE

FOAMGLAS®FAB ONE BITUMEN FAB GLUING



		FOAMGLAS®FAB ONE BITUMEN FAB GLUING
1.	Unique identification code of the product-type	DOP n° 140430400FABONE BITU GLU 2021/09/01-ThBeii- CG-EN14305-ST(+)120-ST(-)(-180)-WS-CL2-Mu
2.	Identification of the construction product as required under Art. 11(4)	Cellular glass - Fabricating ONE- PSH and other fabricated ware + COATING
3.	Intended use or uses of the construction product	Thermal insulation for industrial installations & Building Equipment
4.	Name and contact address of the manufacturer as required pursuant Art. 11(5)	PCE-Pittsburgh Corning Europe NV/SA - Albertkade 1 - B3980 Tessenderlo (B) www.foamglas.com Compliance.DOP@owenscorning.com
5.	Name of the authorised representative whose mandate covers the tasks specified in Art. 12(2)	None
6.	System or systems AVCP as set out in Annex V	AVCP system 3
	Harmonised standard	EN 14305
7.	Notified body	Thermal conductivity - BBRI (No. 1136) & FIW (No. 751) / Fire reaction - WFGRT (No. 1173) / Compressive strength -BBRI (No. 1136)

8. Table 1

Essential characteristics	Performance	
The second second second	Thermal conductivity (λD-value)	λD-value see table 2
Fhermal resistance	Thickness	following order
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A2I
	Thermal conductivity (λD-value)	λD-value see table 2
Durability of thermal resistance against heat, weathering, agening/degradation	Durability characteristics	Thermal conductivity of cellular glass products does not change with time, experience has shown the cell structure to be stable.
	Dimensional Stability	DS (70/90)
Durability of reaction to fire against heat, weathering, aging/degradation	Durability characteristics	The fire performance of cellular glass does not deteriorate with time.
	Dimensional Stability	DS (70/90)
mpressive strength	Compressive strength	CS ≥ 600 kPa (*)
compressive strength	Point load	PL ≤ 1,5 mm (*)
	Bending Strength	BS ≥ 450 kPa (*)
nsile/flexural strength	Tensile strength parallel to faces	NPD
	Tensile strength perpendular to faces	TR ≥ 150 kPa (*)
Durability of compressive strength against aging degradation	Compressive creep	-
Water permeability	Water absorption (short)	WS
water permeability	Water absorption (long)	WL(P)
Water vapour permeability	Water vapour resistance	∞ infinite
Acoustic absoption index	Sound absorption	AP1→NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Min / Max Temperature range	Min / Max Temperature range	-180°C / +120°C
Trace quantities of water soluble chloride	Trace quantities of water soluble chloride	≤ 2 mg/kg
PH	NPD	8-10
Continous glowing combustion	Continous glowing combustion	no glowing combustion

(+) 'These performances and declarations are obtained from the slabs, from which the fabricated ware is sawed and/or abrased.'

Table 2

	PSG and other fabricated ware	PSH-ware
Thermal conductivity -180°C	λD ≤ 0.020 W/(m.K)	λD ≤ 0.021 W/(m•K)
Thermal conductivity -150°C	λD ≤ 0.022 W/(m.K)	λD ≤ 0.024 W/(m•K)
Thermal conductivity -120°C	λD ≤ 0.025 W/(m.K)	λD ≤ 0.027 W/(m•K)
Thermal conductivity -80°C	λD ≤ 0.029 W/(m.K)	λD ≤ 0.031 W/(m•K)
Thermal conductivity -40°C	λD ≤ 0.034 W/(m.K)	λD ≤ 0.037 W/(m•K)
Thermal conductivity 0°C	λD ≤ 0.040 W/(m.K)	λD ≤ 0.043 W/(m•K)
Thermal conductivity +40°C	λD ≤ 0.046 W/(m.K)	λD ≤ 0.050 W/(m•K)
Thermal conductivity -+80°C	λD ≤ 0.054 W/(m.K)	λD ≤ 0.057 W/(m•K)
Thermal conductivity +120°C	λD ≤ 0.061 W/(m.K)	λD ≤ 0.067 W/(m.K)
Thermal conductivity +180°C	λD ≤ 0.075 W/(m.K)	λD ≤ 0.083 W/(m.K)
Thermal conductivity +240°C	λD ≤ 0.090 W/(m.K)	λD ≤ 0.103 W/(m.K)
Thermal conductivity +300°C	λD ≤ 0.107 W/(m.K)	λD ≤ 0.128 W/(m.K)

9. The performance of the product is in conformity with the declared performance . This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer

Nabil Boukolt, Product & Systems Certifications

Tessenderlo (B), 1-9-2021